

SAFETY DATA SHEET



SECTION 1: IDENTIFICATION

COMPANY NAME:	AMERICAN INDUSTRIES, INC.	PRODUCT NAME:	RUST MEDIC
ADDRESS LINE 1:	4300 Kahn Drive, Box 1405	PRODUCT CODE:	2448
ADDRESS LINE 2:	Lumberton, NC 28359-1405 USA	PRODUCT USE:	Rust Removal Soak
TELEPHONE NUMBERS:	800-753-5153 (or) 910-738-7224	SDS FILE ID:	2448.01
EMERGENCY PHONE:	CHEMTREC 1-800-424-9300	SDS DATE:	2016-01-04

SECTION 2: HAZARDS IDENTIFICATION

Classification	Skin Irritant	Category 2 H315
	Eye Irritant	Category 2B H320
	Full text of H-phrases: see section 16	

Label elements



Signal word	Warning
Hazard statements:	Causes skin irritation Causes eye irritation
Precautionary statements	Wash thoroughly after handling Wear eye protection, protective clothing, protective gloves If on skin: Wash with plenty of soap and water If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment (see First aid measures on this label) If skin irritation occurs: Get medical advice/attention If eye irritation persists: Get medical advice/attention Take off contaminated clothing and wash it before reuse
Hazard(s) not otherwise classified (HNOC)	No additional information available.
Unknown acute toxicity	Not applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture-See below:

<u>Chemical name</u>	<u>CAS number</u>	<u>%</u>	<u>Classification</u>
Etidronic acid	2809-21-14	4-10	Met Corr. 1, H290 Eye Dam. 1, H318
Sodium hydroxide, caustic soda	1310-73-2	1-5	Acute Tox. 4 (dermal), H312 Skin Corr. 1A, H314

SECTION 4: FIRST AID MEASURES

General first aid	If you feel unwell, seek medical advice (show the label where possible).
Inhalation	Remove person to fresh air.
Skin contact	Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention..
Ingestion	Rinse mouth with water. Do NOT induce vomiting.
Most important symptoms and effects, acute and delayed	Not expected to present a significant hazard under anticipated conditions of normal use. Inhalation: None under normal use. Skin Contact: Causes skin irritation. Eye Contact: Causes eye irritation. Ingestion: Gastrointestinal complaints. Nausea. Vomiting.

Special treatment needed No additional information available.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media All extinguishing media allowed.

Reactivity Upon combustion CO and CO₂ are formed.

Special firefighting procedures Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water.

Protection during firefighting Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

General measures Isolate from fire, if possible, without unnecessary risk.

Personal protective equipment for non-emergency personnel Protective goggles. Gloves. Protective clothing.

Emergency procedures for non-emergency personnel Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing. Ventilate spillage area.

Personal protective equipment for emergency responders Use personal protective equipment as required.

Emergency procedures for emergency responders Stop leak if safe to do so. Stop release. Ventilate area.

Environmental precautions Avoid release to the environment. Prevent entry to sewers and public waters.

Methods for containment and clean up Contain released substance, pump into suitable containers. This material and its container must be disposed of in a safe way and as per local legislation. No additional information available.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Obtain special instructions before use.

Hygiene measures Wash thoroughly after handling. Remove contaminated clothing. Wash contaminated clothing before reuse.

Technical measures Comply with applicable regulations.

Storage conditions Keep container closed when not in use.

Storage area Meet the legal requirements. Store in a cool area. Store in a dry area.

Special rules on packaging Meet the legal requirements.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Sodium hydroxide, caustic soda (1310-73-2)

ACGIH ACGIH Ceiling (mg/m³) 2 mg/m³

ACGIH Remark (ACGIH) URT, eye, & skin irr

Personal protective equipment Use appropriate personal protective equipment when risk assessment indicates this is necessary. Safety glasses. Gloves. Protective clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance Clear, colorless liquid.

Odor Mild odor.

Odor threshold No data available

Melting point No data available

Boiling point No data available

Freezing Point No data available

Flammability (solid, gas) No data available

Flash point >200°F (93°C)

Auto-ignition temperature	No data available
Vapor Pressure (mmHg)	No data available
Relative density	No data available
Evaporation Rate	No data available
Specific Gravity/Density	1.07 g/ml
pH	7.4
Solubility in Water	Soluble in water.
VOC content	0%.
Viscosity	No data available

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Upon combustion: CO and CO2 are formed.
Chemical stability	Stable under normal conditions.
Conditions to avoid	No additional information available.
Incompatibility	No additional information available.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Possible hazardous reactions	Upon combustion: CO and CO2 are formed.

SECTION 11: TOXICOLOGICAL INFORMATION

Sodium hydroxide, caustic soda (1310-73-2)

LD50 oral rat	4090 mg/kg
LD50 dermal rabbit	1350 mg/kg
ATE CLP (oral)	4090.000 mg/kg body weight
ATE CLP (dermal)	1350.000 mg/kg body weight
Etidronic acid (2809-21-4)	
LD50 oral rat	>1878 mg/kg (Rat: Calculated value)
LD50 dermal rabbit	.5000 mg/kg (Rabbit)
Skin corrosion/irritation	Causes skin irritation pH 7.4
Serious eye damage/irritation	Causes eye irritation pH 7.4
Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity (single exposure)	Not classified
Specific target organ toxicity (repeated exposure)	Not classified
Aspiration hazard	Not classified
Symptoms/injuries after inhalation	None under normal use.
Symptoms/injuries after skin contact	Causes skin irritation.
Symptoms/injuries after eye contact	Causes eye irritation.
Symptoms/injuries after ingestion	Gastrointestinal complaints. Nausea. Vomiting.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity	Etidronic acid (2809-21-4)
LC50 fish 1	368 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Salmo Gairdneri; Static system; Fresh water; Experimental value)

EC50 Daphnia 1	527 mg/l (EC%); OECD 202; Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
Threshold limit algae 2	3.5-12,EC50; Other; 96 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value
Persistence and degradability	Etidronic acid (2809-21-4)
Persistence and degradability	Not readily biodegradable in water. No straightforward conclusion can be drawn based up[on the available numerical values.
Chemical oxygen demand (COD)	0.00026 g O/g substance
Bioaccumulative potential	Etidronic acid (2809-21-4)
BCF fish 1	71 (BCF)
BCF fish 2	18 (BCF)
Log Pow	-0.81 (Estimated value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF <500).

SECTION 13: DISPOSAL CONSIDERATIONS

Waste disposal recommendations	Dispose in a safe manner in accordance with local/national regulations.
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SECTION 14: TRANSPORT INFORMATION

DOT	Not regulated for transport.
ADR	No additional information available.
Transport by sea	No additional information available.
Air transport	No additional information available.

SECTION 15: REGULATORY INFORMATION

TSCA Status	All chemicals are listed or excluded.
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This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR 372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Sodium hydroxide, caustic soda (1310-73-2)	Not listed on SARA 313 (Specific toxic chemical listings)
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RQ (Reportable quantity, section 304 of EPA's List of Lists)	1000 lb
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California Proposition 65	This product does not contain a substance(s) known to the state of California to cause cancer and/or reproductive toxicity.
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SECTION 16: OTHER INFORMATION

Training advice	Normal use of this product shall imply use in accordance with the instructions on the packaging.
Full text of H-phrases	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Met. Corr. 1	Corrosive to metals Category 1
Skin Corr. 1A	Skin corrosion/irritation Category 1A
Skin Irrit. 2	Skin corrosion/irritation Category 2
H290	May be corrosive to metals
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H320	Causes eye irritation

Important Note: *To be the best of our knowledge, the information contained herein is accurate. However there is no assumption of liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Since the conditions of handling, storage and disposal of this product are beyond the control of the manufacturer/supplier, the manufacturer/supplier will not be responsible for loss, injury, or expense arising out of the products improper use. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.*

*****End of SDS*****